

Basic Spring Boot Project Steps

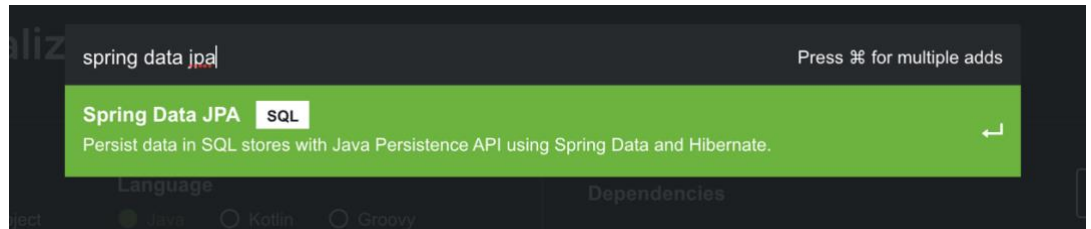
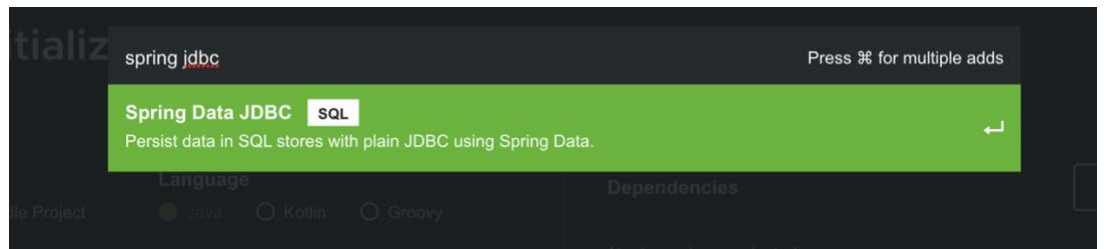
1. Online : <https://start.spring.io/> [Those using IntelliJ kindly choose Online version]
2. STS
3. Lombok

1. Online :

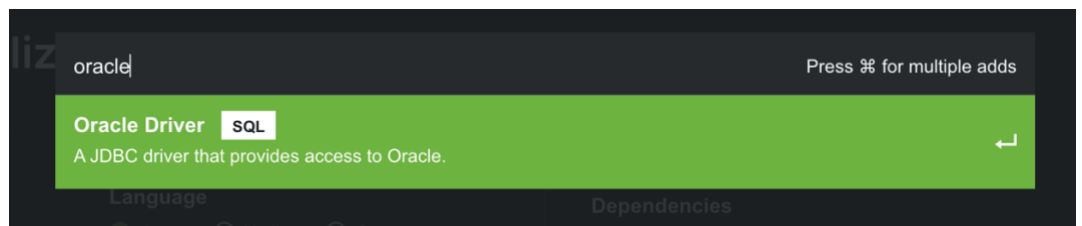
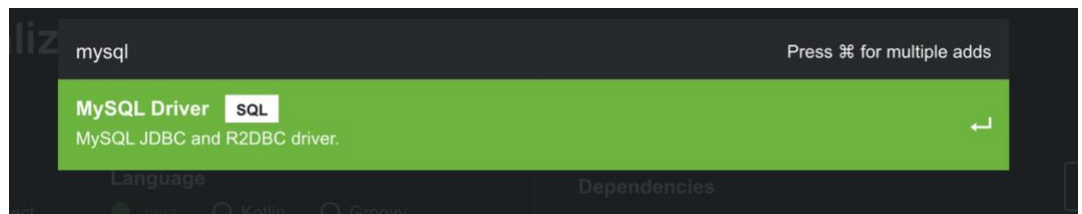
- 1.1. Go to the link <https://start.spring.io/> and select java, maven version. Provide group and artifact id as shown in below screen

The screenshot shows the Spring Initializr web application interface. The browser address bar displays 'start.spring.io'. The page features the 'spring initializr' logo and a sidebar menu. The main content area is divided into several sections: 'Project' with radio buttons for 'Maven Project' (selected) and 'Gradle Project'; 'Language' with radio buttons for 'Java' (selected), 'Kotlin', and 'Groovy'; 'Spring Boot' with radio buttons for versions 3.0.0 (SNAPSHOT), 3.0.0 (M5), 2.7.5 (SNAPSHOT), 2.7.4 (selected), 2.6.13 (SNAPSHOT), and 2.6.12; 'Project Metadata' with input fields for 'Group' (com.boot.demo), 'Artifact' (SpringBootDemo), 'Name' (SpringBootDemo), 'Description' (Demo project for Spring Boot), and 'Package name' (com.boot.demo.SpringBootDemo); 'Packaging' with radio buttons for 'Jar' (selected) and 'War'; and 'Java' with radio buttons for versions 19, 17, 11 (selected), and 8. A 'Dependencies' section on the right shows 'No dependency selected'. At the bottom, there are buttons for 'GENERATE' (with a keyboard shortcut), 'EXPLORE' (with a keyboard shortcut), and 'SHARE...'. Red boxes highlight the 'Project' and 'Language' sections, the 'Group' and 'Artifact' input fields, the 'Spring Boot' version selection, the 'Package name' input field, and the 'GENERATE' button. A callout box with an arrow points to the 'Spring Boot' version selection, containing the text 'Select version installed on your machine'.

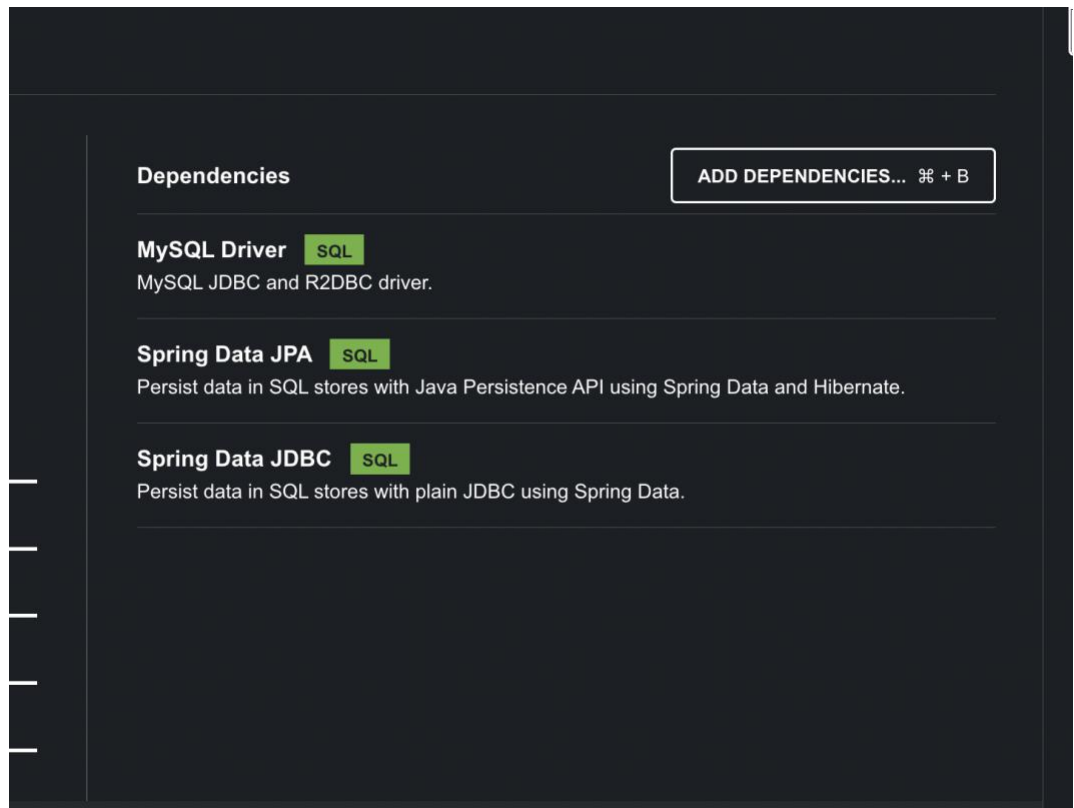
- 1.2. Click on Add Dependencies as highlighted on the right in the above picture and add following dependencies
 - 1.2.1. Spring-jdbc
 - 1.2.2. Spring-data-jpa
 - 1.2.3. Mysql or oracle driver or driver of the database used in your application
 - 1.2.4. Click on Generate as highlighted in the bottom above and the project will be downloaded as a zip.



MYSQL OR ORACLE CHOOSE ONE :

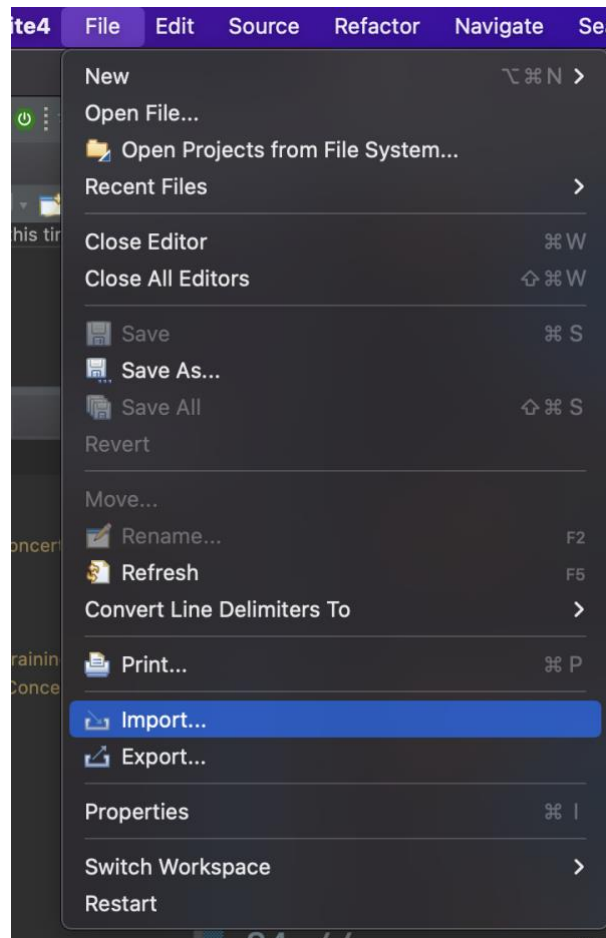


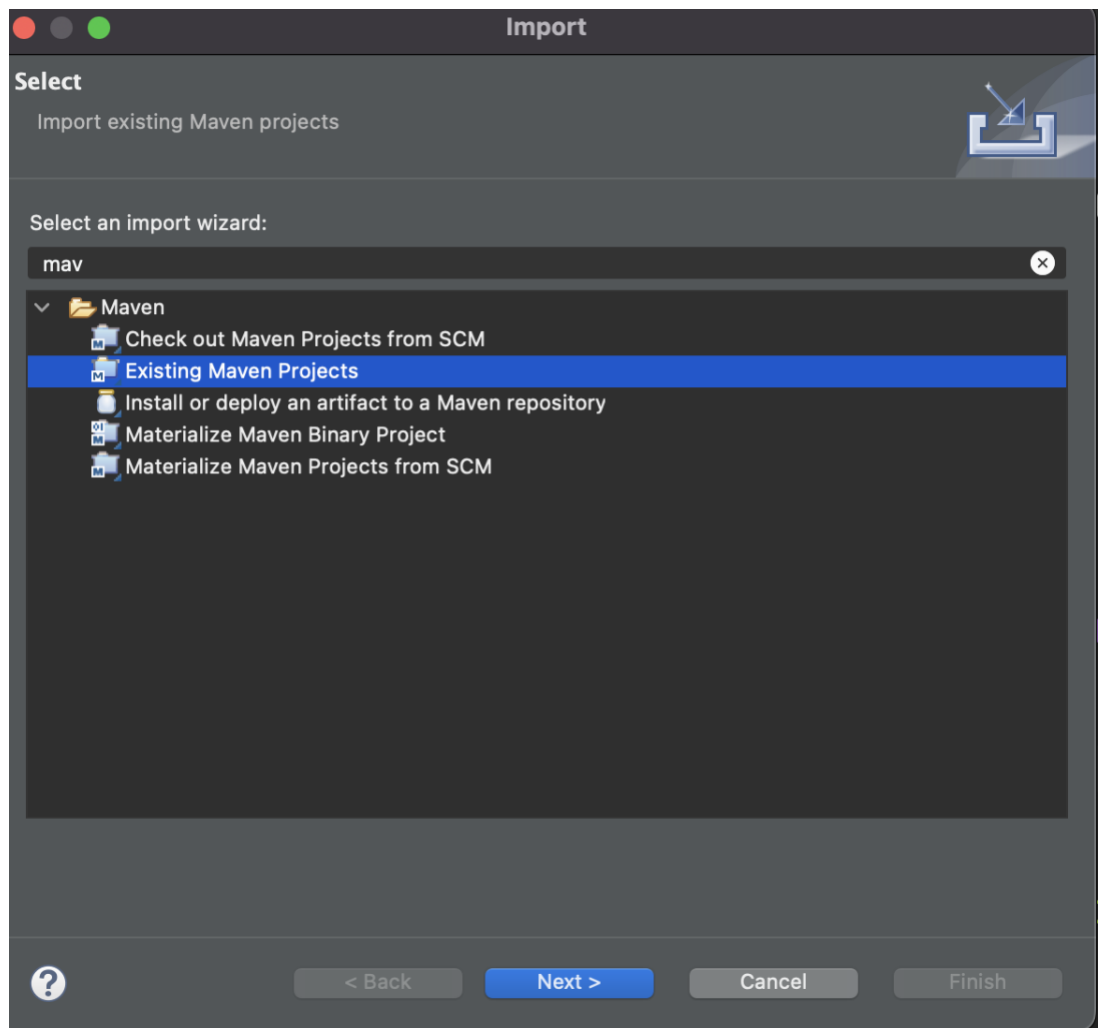
Finally screen looks like this.



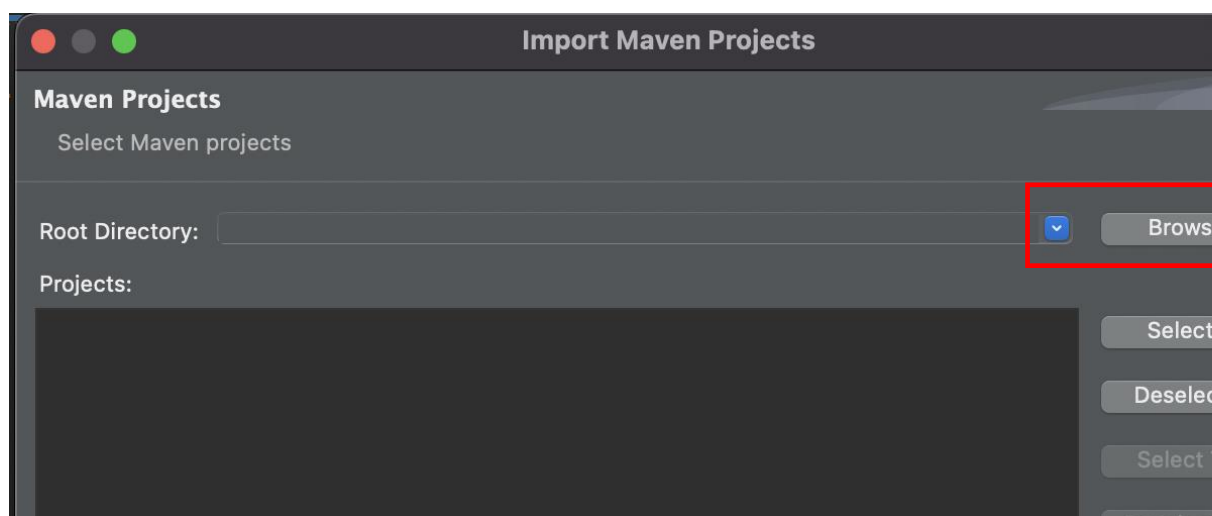
1.3. Unzip the project and import in eclipse by following steps:

- 1.3.1. Copy the zip folder within your workspace folder where all the projects are created.
- 1.3.2. Then to import the project in eclipse or sts, click on File -> Import and select Existing Maven Projects

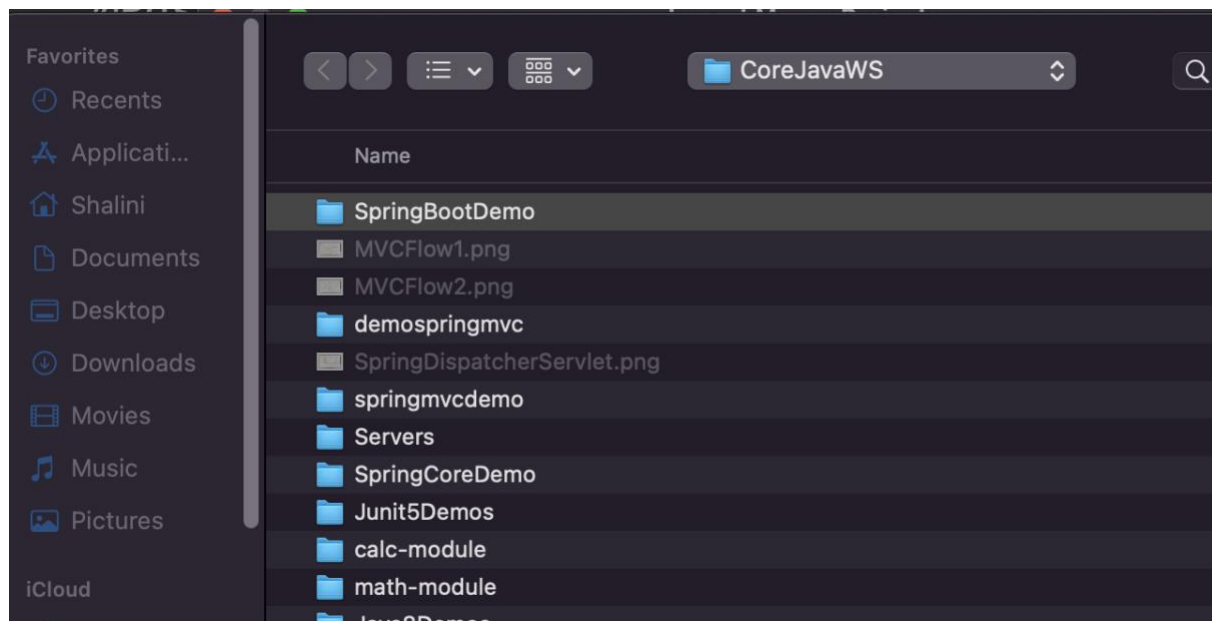




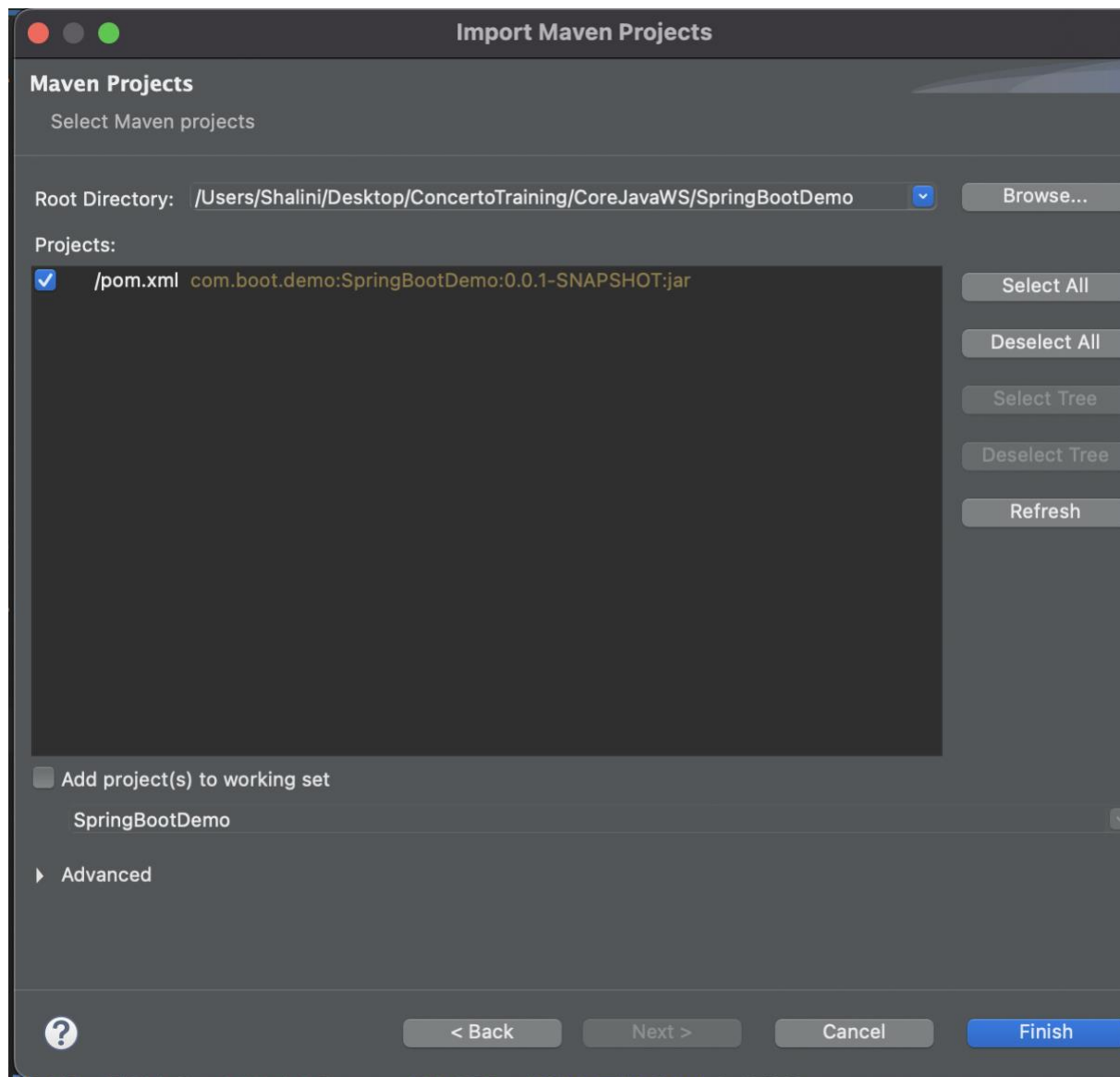
1.4. Click on browse



1.5. Select the Project folder

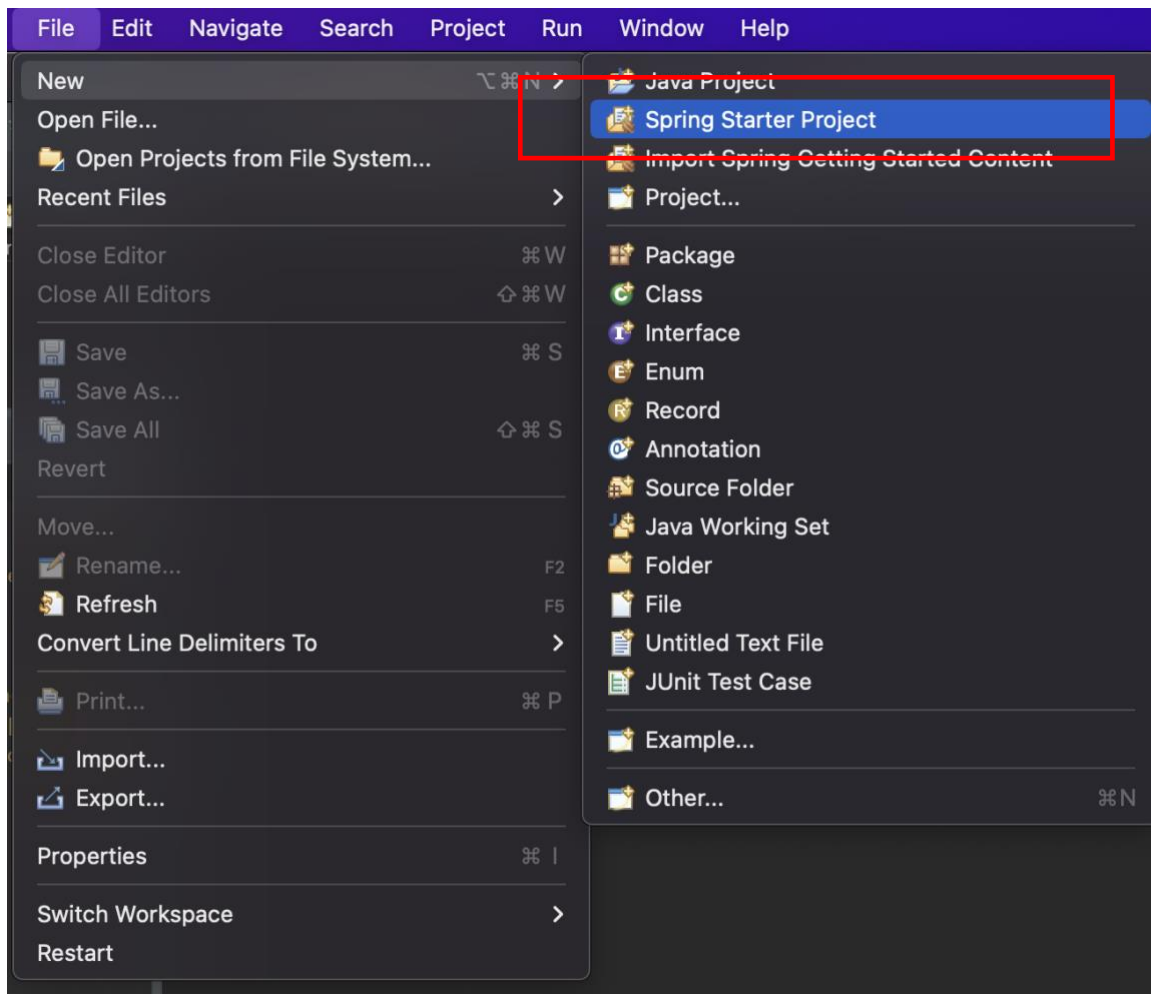


1.6. The screen will look as below and click Finish. It will take some time to load the project



2. STS :

2.1. Click on File -> New -> Spring Starter Project



2.2. Select the java and maven version . Update other fields as highlighted and click next

New Spring Starter Project

Service URL:

Name:

☒ Use default location

Location:

Type:

Java Version:

Group:

Artifact:

Version:

Description:

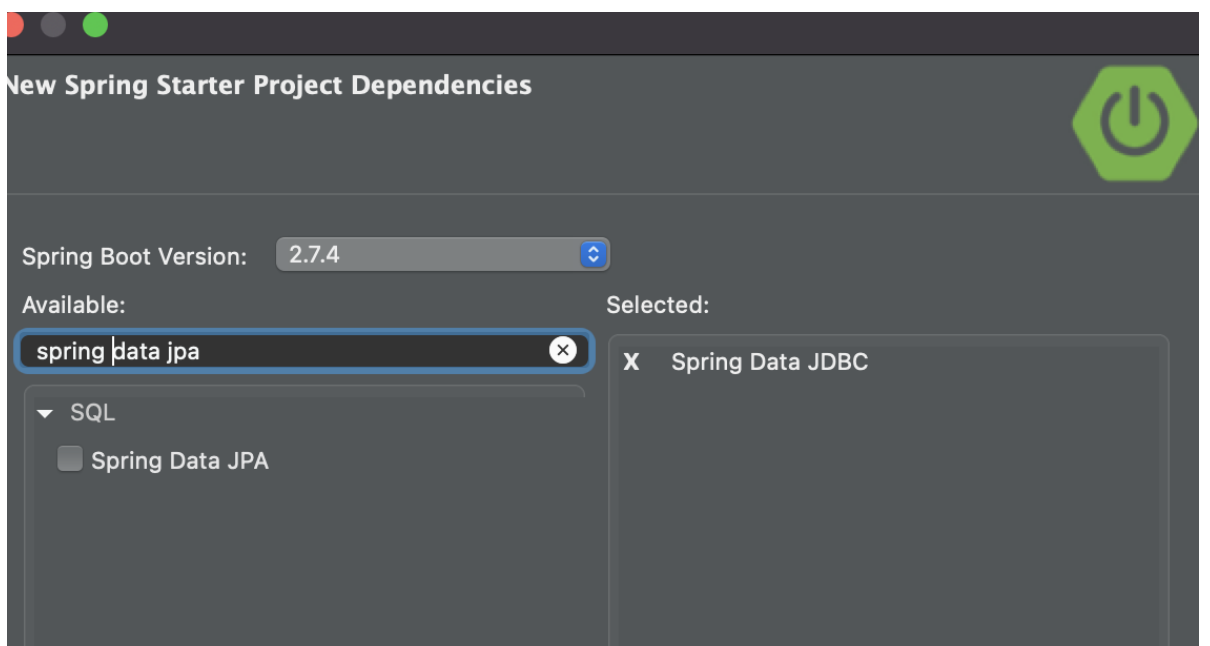
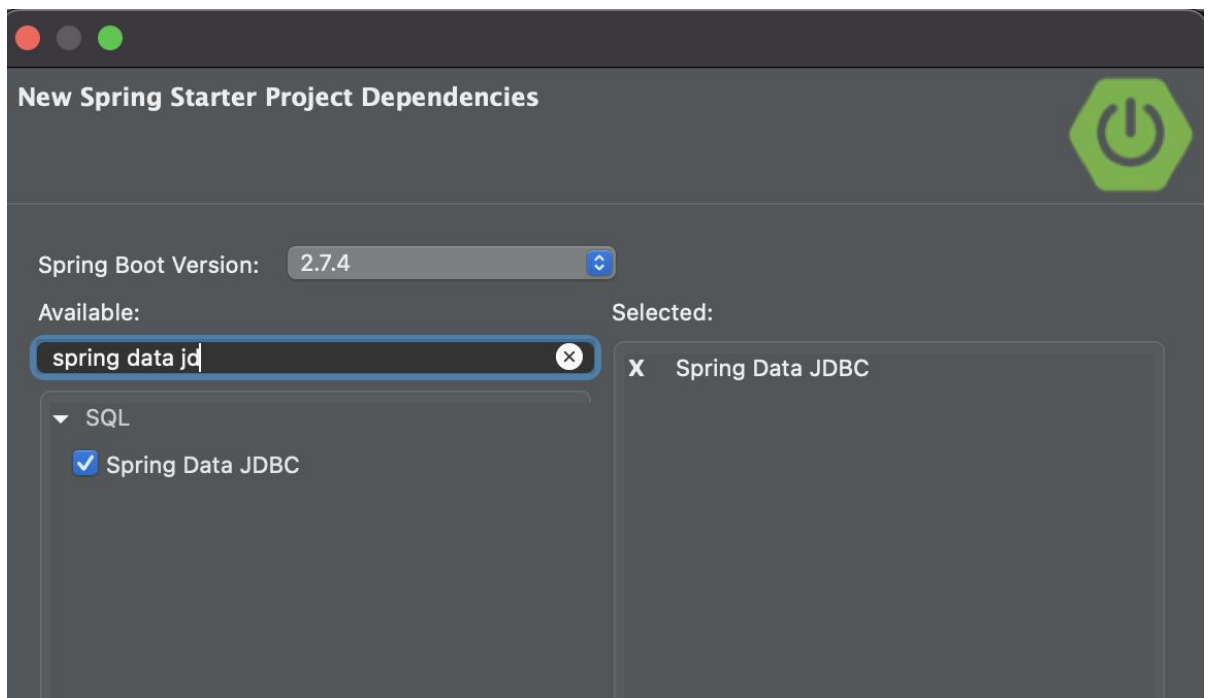
Package:

Working sets

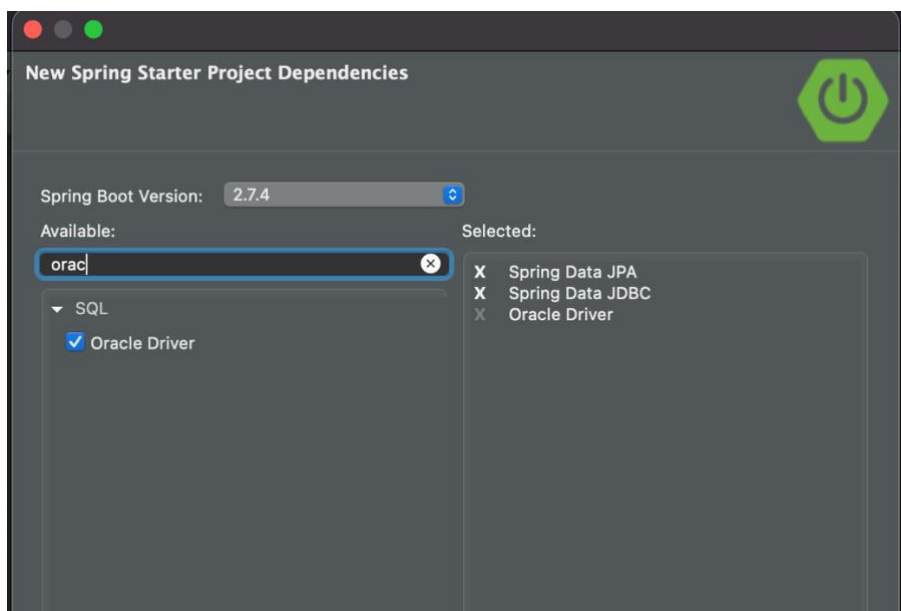
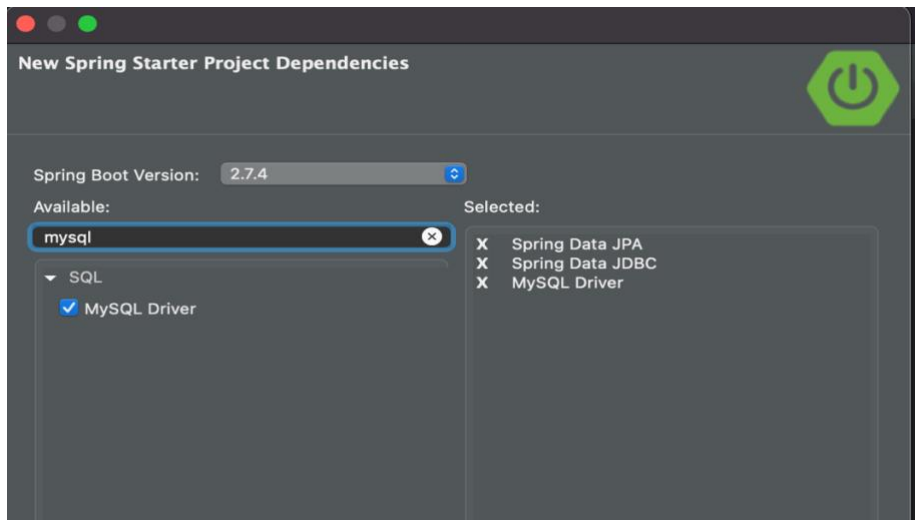
☐ Add project to working sets

Working sets:

2.3. Next screen select dependencies as shown below and click Finish:



Select MYSQL Or Oracle or any other driver for your database



3. Download Lombok.jar <https://projectlombok.org/setup/eclipse>
 - 3.1. Double click and follow the steps as shown in above link.